Rom-Linker Software

User's Manual

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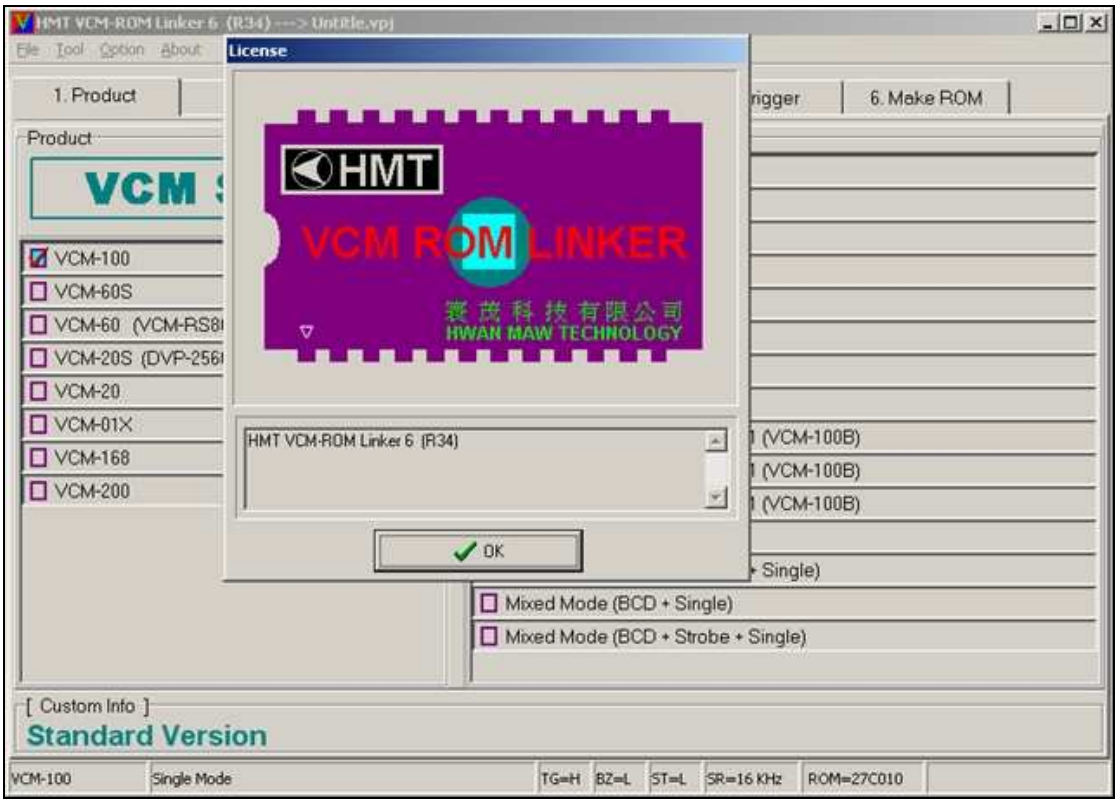
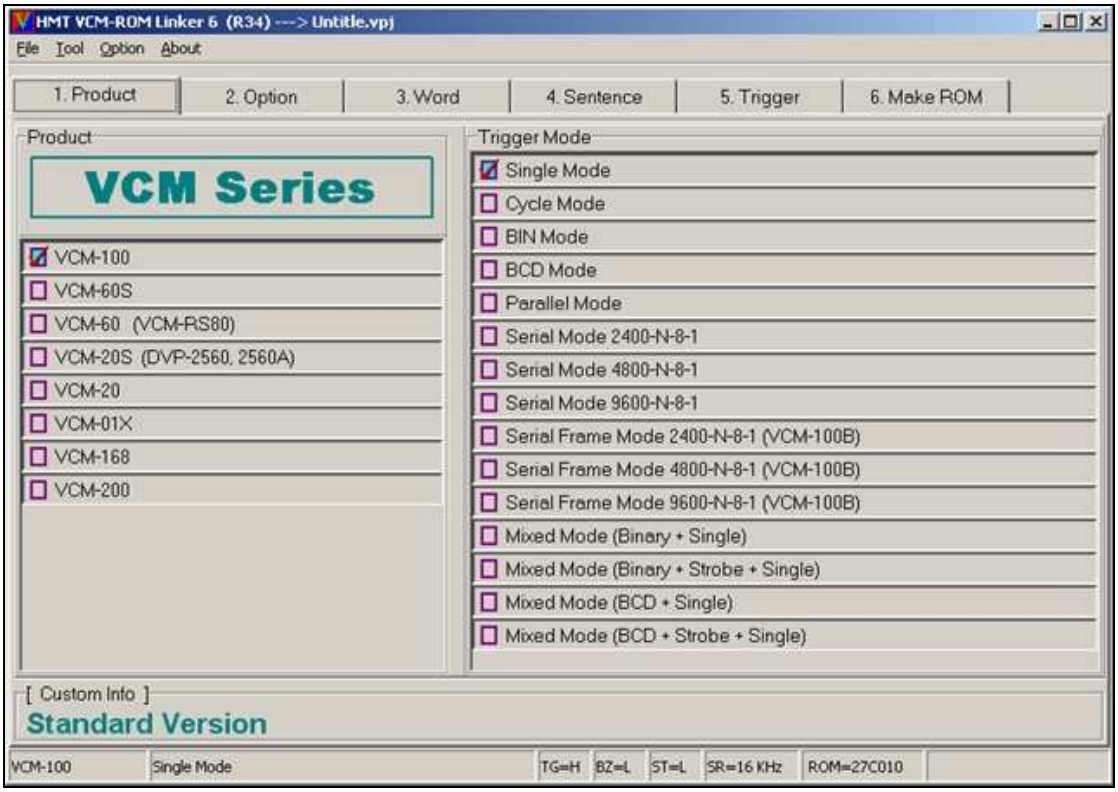
VCM Rom-Linker Software Manual

(1) Rom-Linker Starting Screen



(2) Rom-Linker [1.Product] Screen



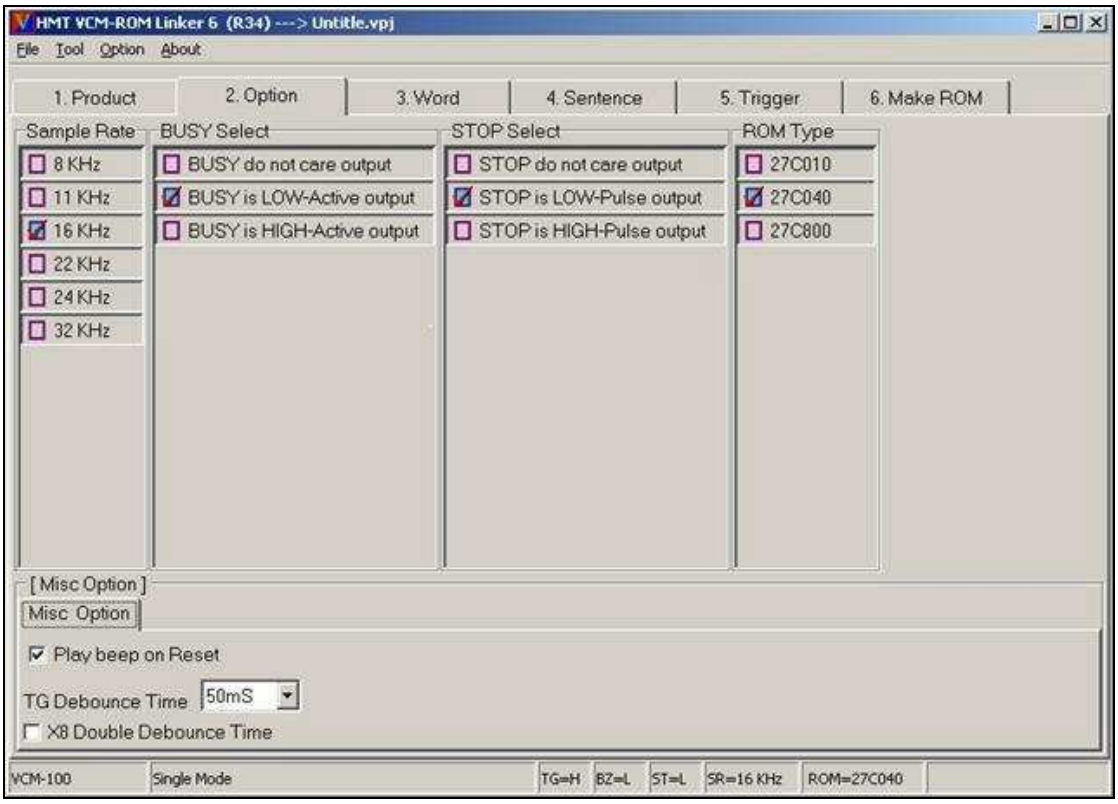
Some options are designed for users to edit:

1.) Product: Choose VCM-Series type here. When there's a new product, it'll be added to and shown on the list.

2.) Trigger Mode: Choose a trigger mode here. Different types of models use different modes. As for the trigger mode instructions, please refer to [Trigger Mode Selection].

In the Status bar (at the bottom of the window), it records the information like the product type you choose, trigger mode, trigger level, file name for each project and etc.

(3) Rom-Linker [2.Option] Screen



Some options are designed for users to edit:

1.) Sampling Rate: Choose a sampling rate from this list. As for the choices, please refer to [Sampling Rate Selection].

2.) BUSY Select: Choose a BUSY signal status from this list. As for the usages of BUSY signal, please refer to [Status Response Signal]

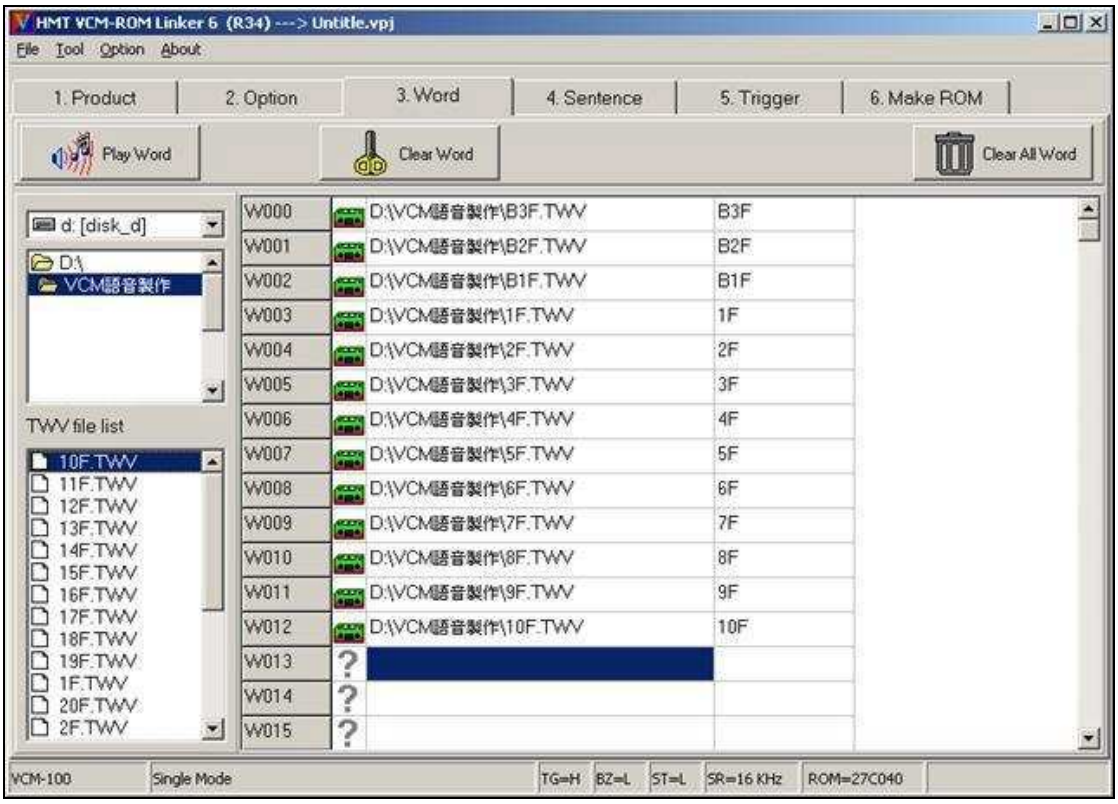
3.) STOP Select: Choose a STOP signal status from this list. As for the usages of STOP signal, please refer to [Status Response Signal]

4.) ROM Type: Choose an EPROM type here. If you use a Flash ROM, it can be set under this way as well.

[Note: 8MB memory Flash ROM doesn't support this setting!]

5.) Misc Option: It only functions under the serial mode or mixed mode.

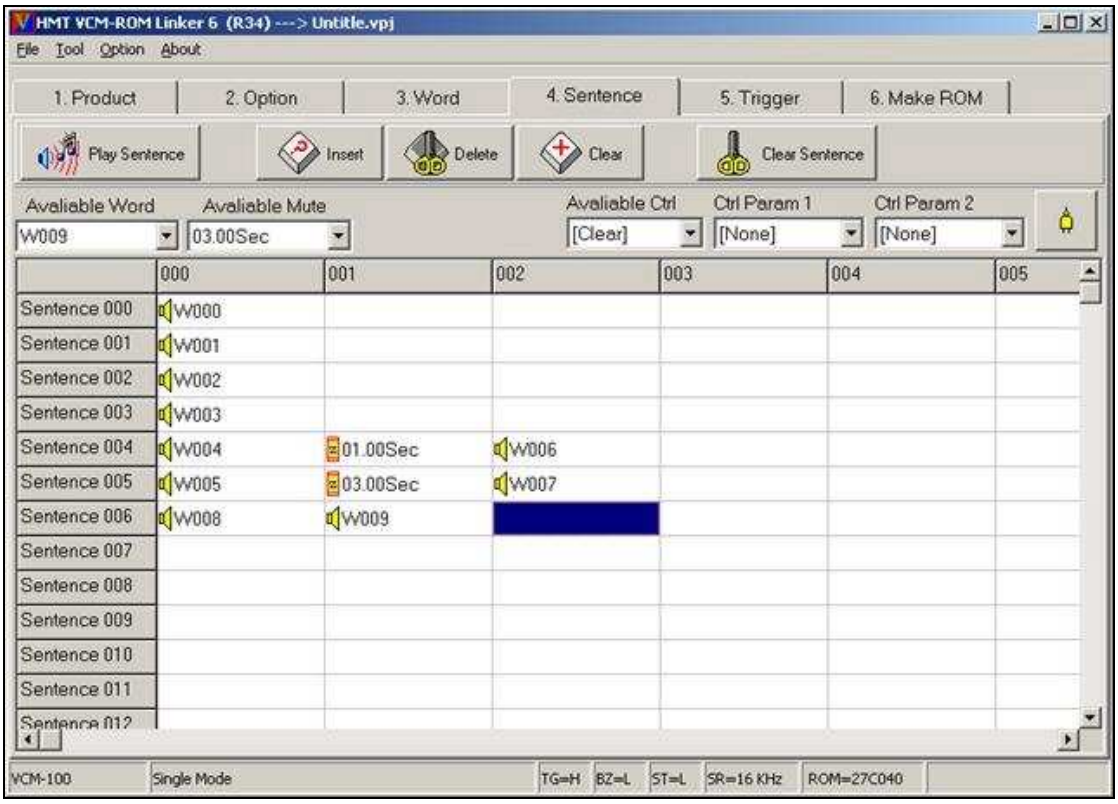
(4) Rom-Linker [3.Word] Screen



We can set the correspondents to the files in the Word files. It can be up to 160 files. (W000-W159).

Attention! Word files are supposed to be edited and produced through TrueWave software programs or these Word files cannot be used in this program!

(5) Rom-Linker [4.Sentence] Screen



We can arrange the voice files in a Sentence. It can be up to 255 Sentences.

1.) Play Sentence: Click on this key to hear the Sentence where the cursor is pointing. (Click on “Esc” to stop playing.)

2.) Insert: Insert a blank space at the place where the cursor is pointing.

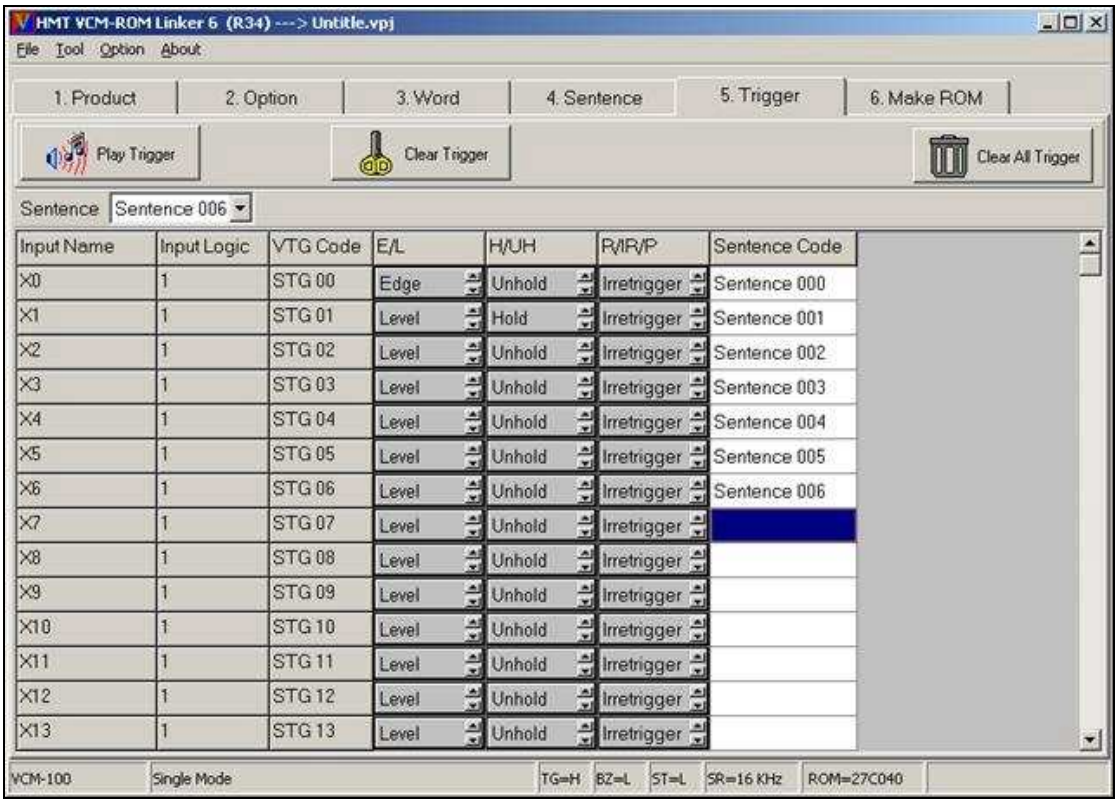
3.) Delete: Click on this key to delete the cell where the cursor is pointing. Meanwhile, the following cells will move forward automatically.

4.) Clear: Click on this key to clear the content of the cell where the cursor is pointing .

5.) Clear Sentence: Click on this key to clear all Word settings in the Sentence where the cursor is pointing.

6.) Available Ctrl: Click on this key to select the control code. (As for the details, please contact our technical team)

(6) Rom-Linker [5.Trigger Setup] Screen



We can have the relation between the trigger numbers and the Sentence or input trigger attribute. As for the attribute setting, please refer to [Input Trigger Attribute]. We set one Sentence for each trigger number; when the outer trigger is set, the correspondent Sentence will be performed. The input form will be varied by different trigger modes.

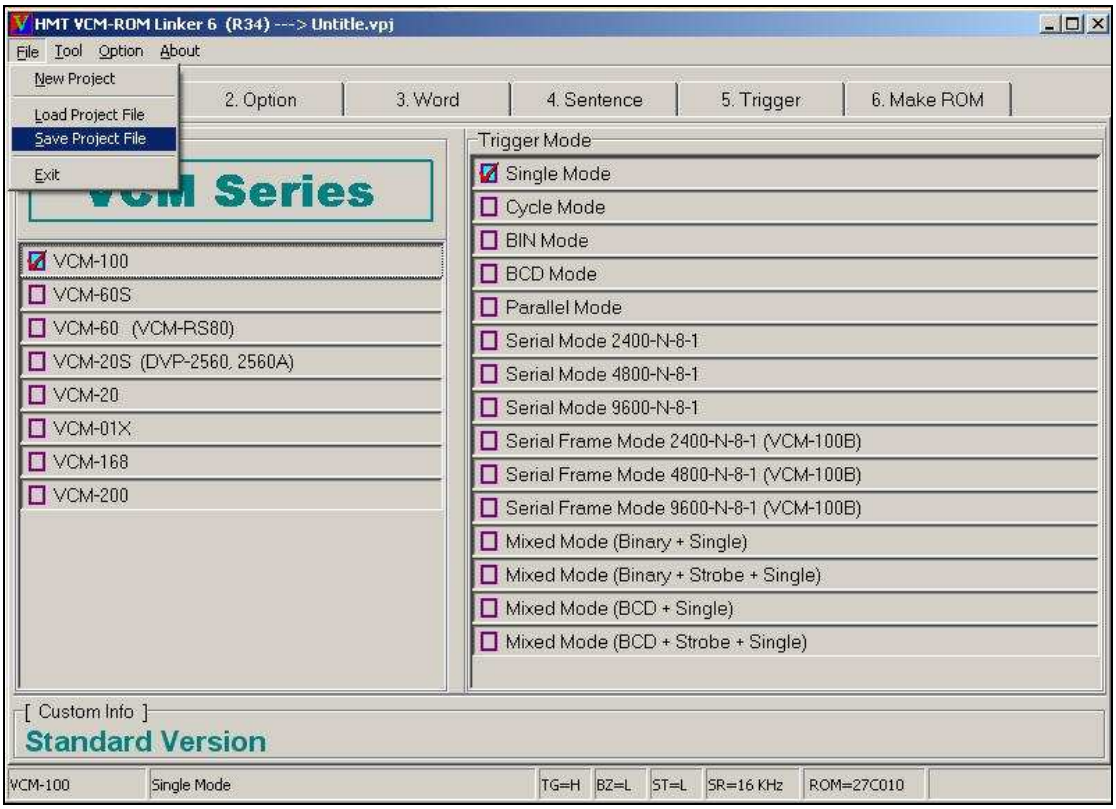
1.) Play Trigger: Click on this key to hear the Sentence in Sentence Code where the cursor is pointing.

2.) Clear Trigger: Click on this key to clear the Sentence in Sentence Code where the cursor is pointing.

3.) Clear All Trigger: Click on this key to delete all Sentences in “Sentence Code” columns.

4.) Change the attribute settings by moving the cursor to the trigger code attribute column and then double click on the left key. For all settings, please refer to Function Bar [(8) Tool Menu] instructions.

(7) Rom-Linker [File Menu] Screen



Functions from the File Menu are as follows:

1.) New Project: Build a new project.

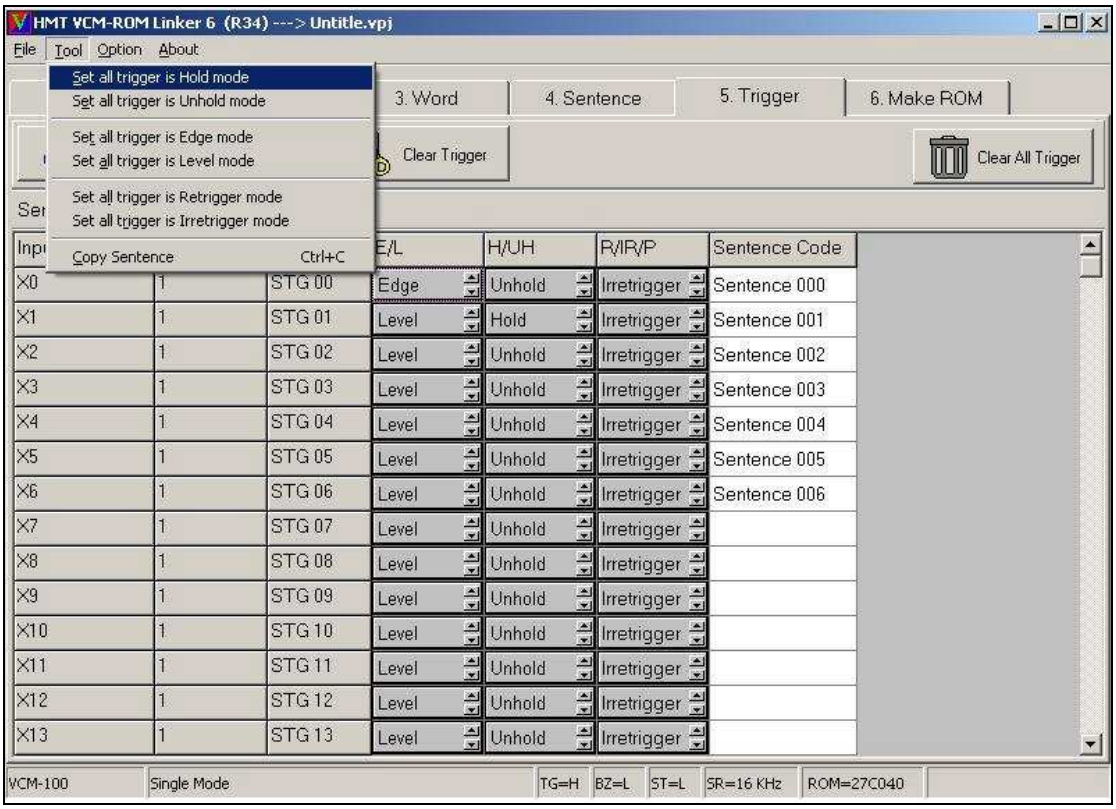
2.) Load Project File: Load a project file.

3.) Save Project File: Save a project file.

4.) Exit: Exit ROM Linker program.

5.) The extension file name for VCM series is ".VPJ".

(8) Rom-Linker [Tool Menu] Screen



Functions from the Tool Put-Down Menu are follows:

1.) Set all trigger in Hold Mode: Set all attributes in H/UH columns as Hold.

2.) Set all trigger in Unhold Mode: Set all attributes in H/UH columns as Unhold.

3.) Set all trigger in Edge Mode: Set all attributes in E/L columns as Edge.

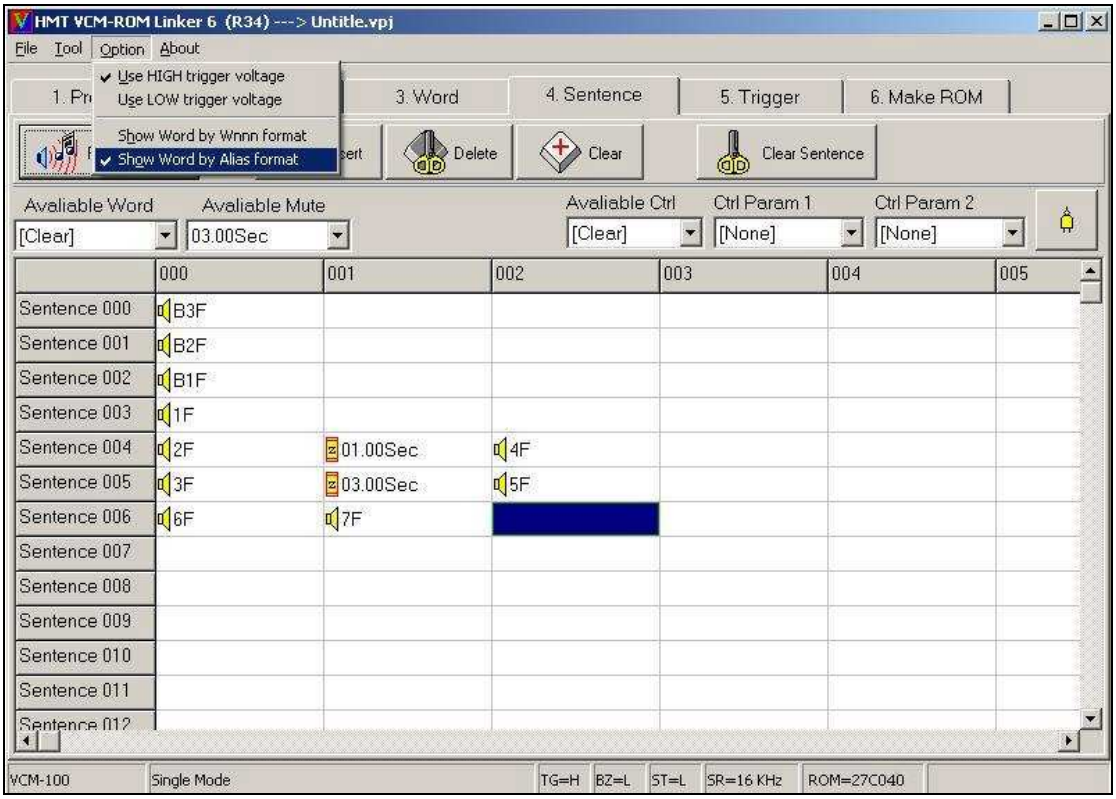
4.) Set all trigger in Level Mode: Set all attributes in E/L columns as Level.

5.) Set all trigger in Retrigger Mode: Set all attributes in R/IR columns as Retrigger.

6.) Set all trigger is Irretrigger Mode: Set all attributes in R/IR columns as Irretrigger.

7.) Copy sentence: Select Copy Sentence in “Tool” put-down menu from the function bar as in [4. Sentence] to copy the Sentence and place it to the selected Sentence Code column.

(9) Rom-Linker [Option Menu] Screen

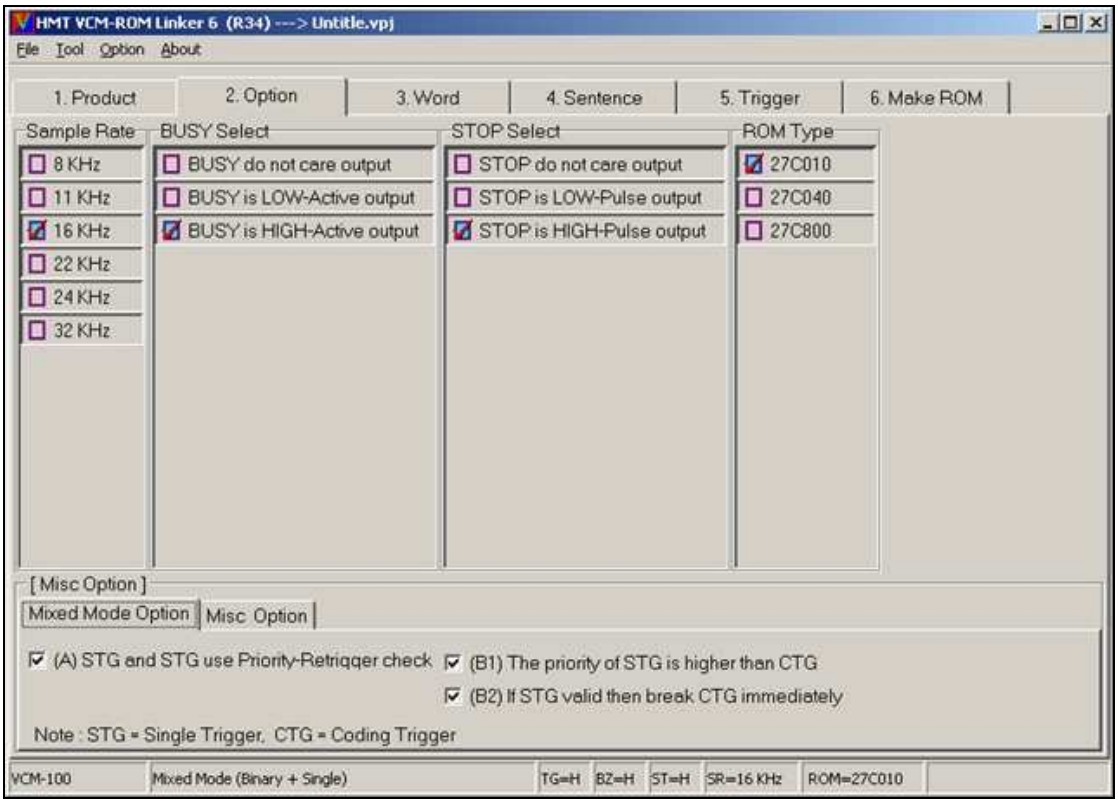


1.) Use High Trigger Voltage: Set input trigger level as High.

2.) Use Low Trigger Voltage: Set input trigger level as Low.

This list has to be in compliance with the VCM-Series voice module hardware setting!

(10)Rom-Linker [Mixed Mode Option] Screen



We can set the relation between STG and CTG. As for the detailed instructions of STG and CTG, please refer to [Input Trigger Mode instruction].

[For VCM-100 ONLY]

A.) STG use Priority-Retrigger check: Set the priority of STG to itself

B1.) The priority of STG is higher than CTG:

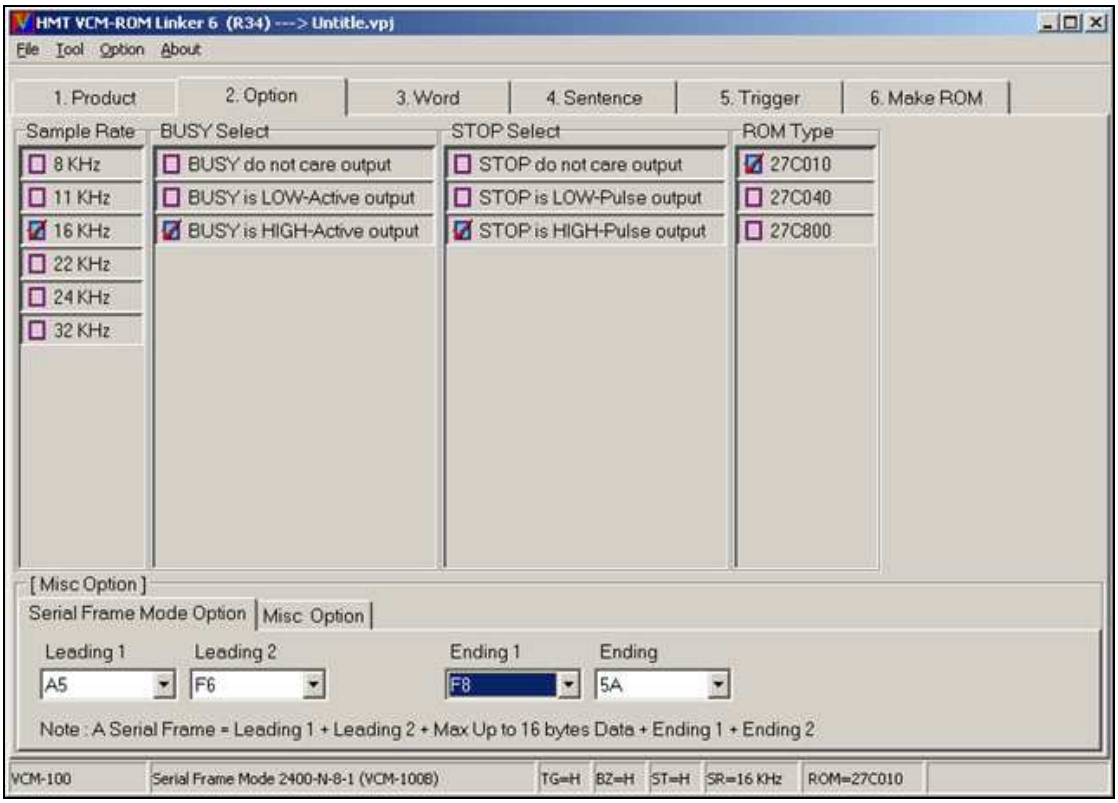
Set the priority of STG is higher than it of CTG.

B2.) If STG valid then break CTG immediately:

Set whether to stop CTG voice playing when the STG trigger starts.

STG: Single Trigger; CTG: Code Trigger.

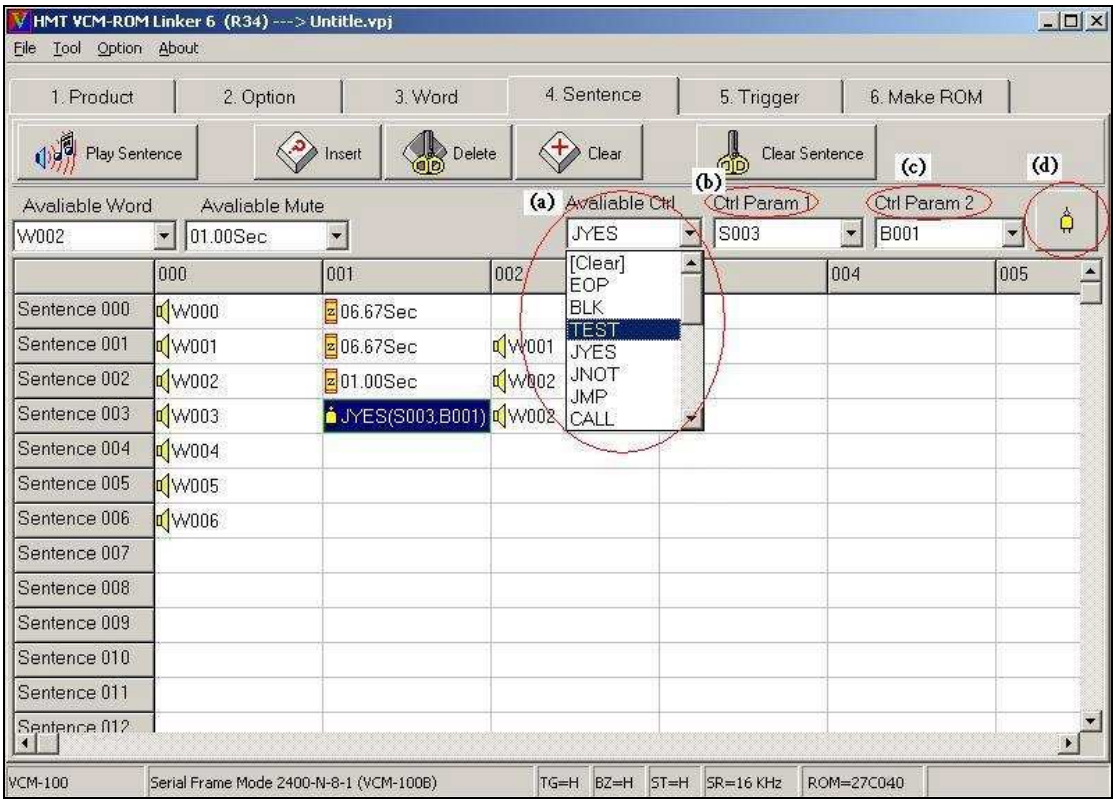
(11)Rom-Linker [Serial Frame Option] Screen



Set Serial Frame package format here. About the instructions of Serial Frame package, please refer to [Input Trigger Mode instruction]

Attention! The contents Leading 1, Lending 2, Ending 1 and Ending 2 can't be the same!

(12)Rom-Linker [4.Sentence] Control Code Setting Screen

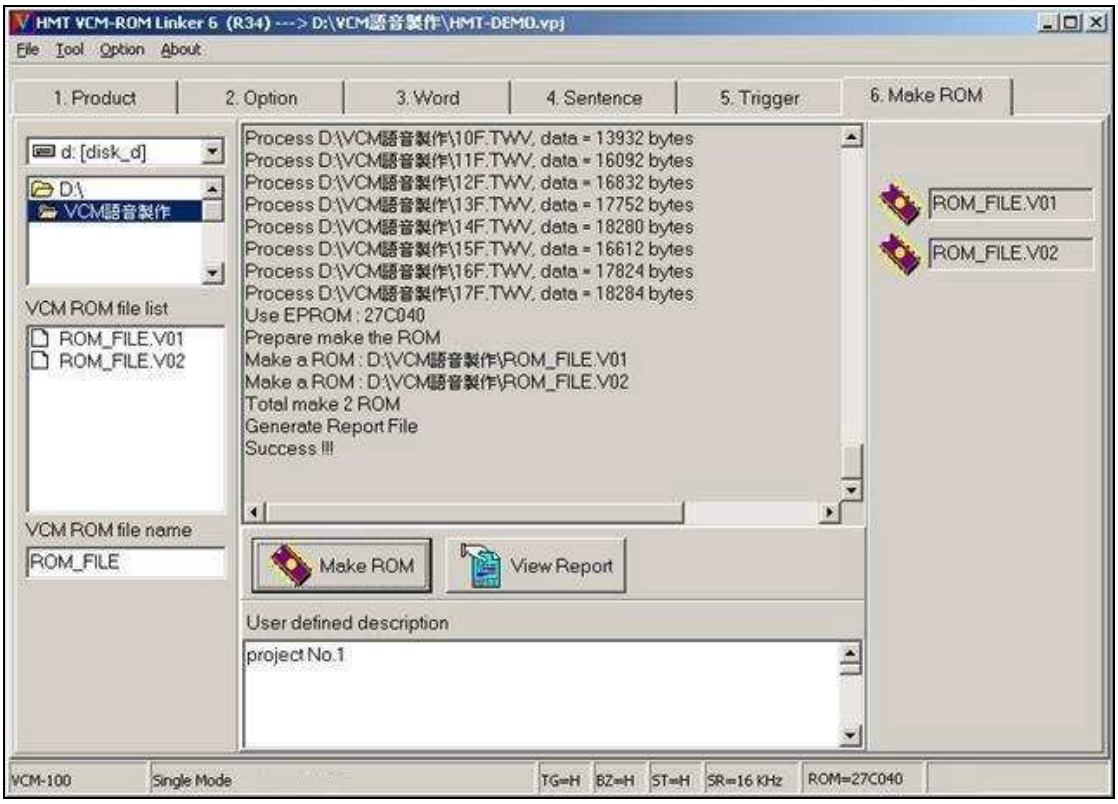


*Description:

VCM-SERIES digital voice modules support control code appliance. By easy commands, the program is more functional. As (a), (b), (c), (d) in the picture above, it can help you choose and arrange the clips into the Sentence.

***About the control code instructions, please contact our technical team to get the example CD.**

(13)Rom-Linker [6.Make ROM] Screen



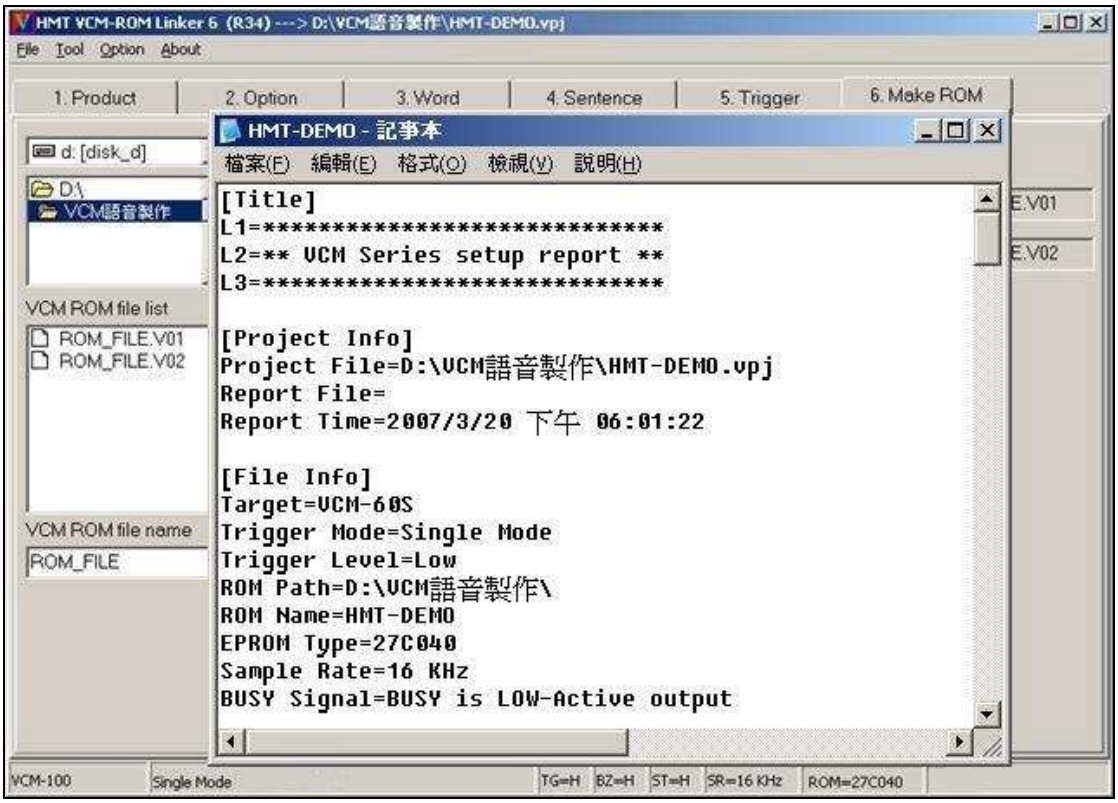
When everything is done, please click on “Make ROM”. The system will ask the users to save the file by entering the file name. Then confirm it. The system will start to connect to ROM and produce a voice file. The extension names are coded as “.V01” , “.V02” ... in sequence. These numbers means the amount of ROM files. If you want to browse or print the related information, please click on “View Report”.

[Note]

1.The box “User defined description” can be written some notes in.

2.When users use the EPROM burner for saving files, the format of loaded files is Binary Code.

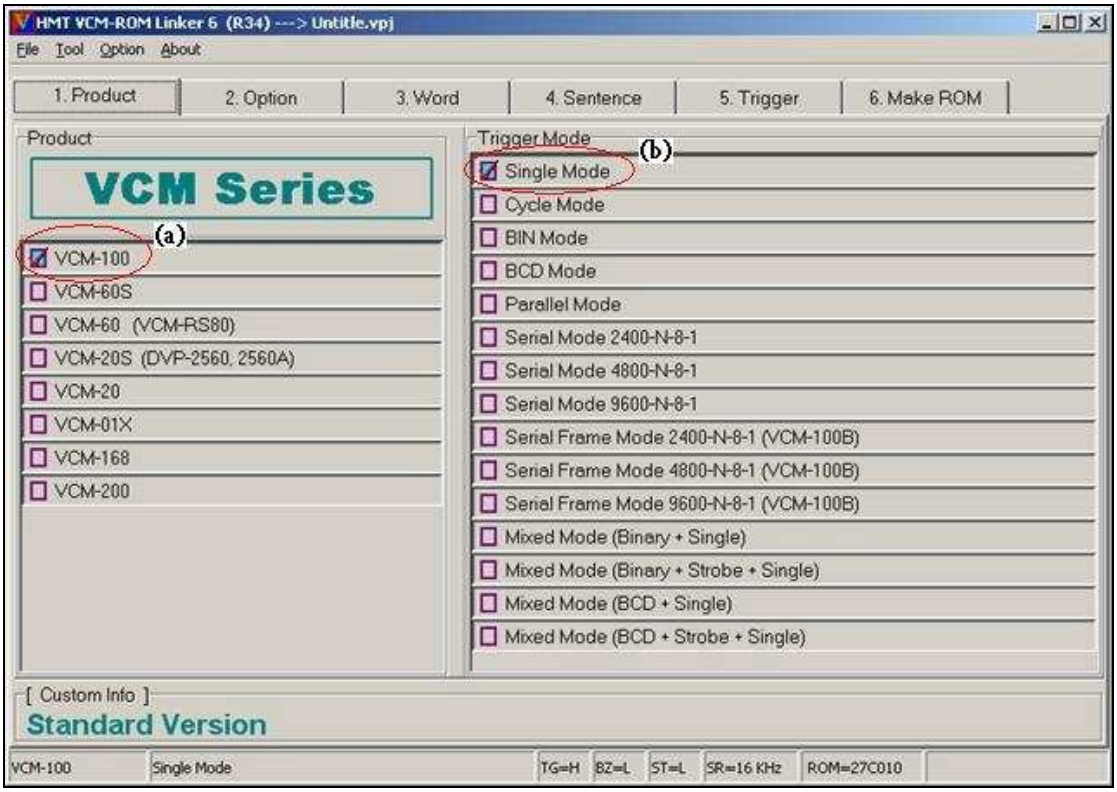
(14)Rom-Linker [Report] Screen



When you click on "View Report", it'll show you the screen above. Report file is a text format which can be read by document process machines. The extension file name is "REP".

Rom-Linker Software Operating Manual

Step 1.: Open Rom-Linker software and set [1.Product] menu.

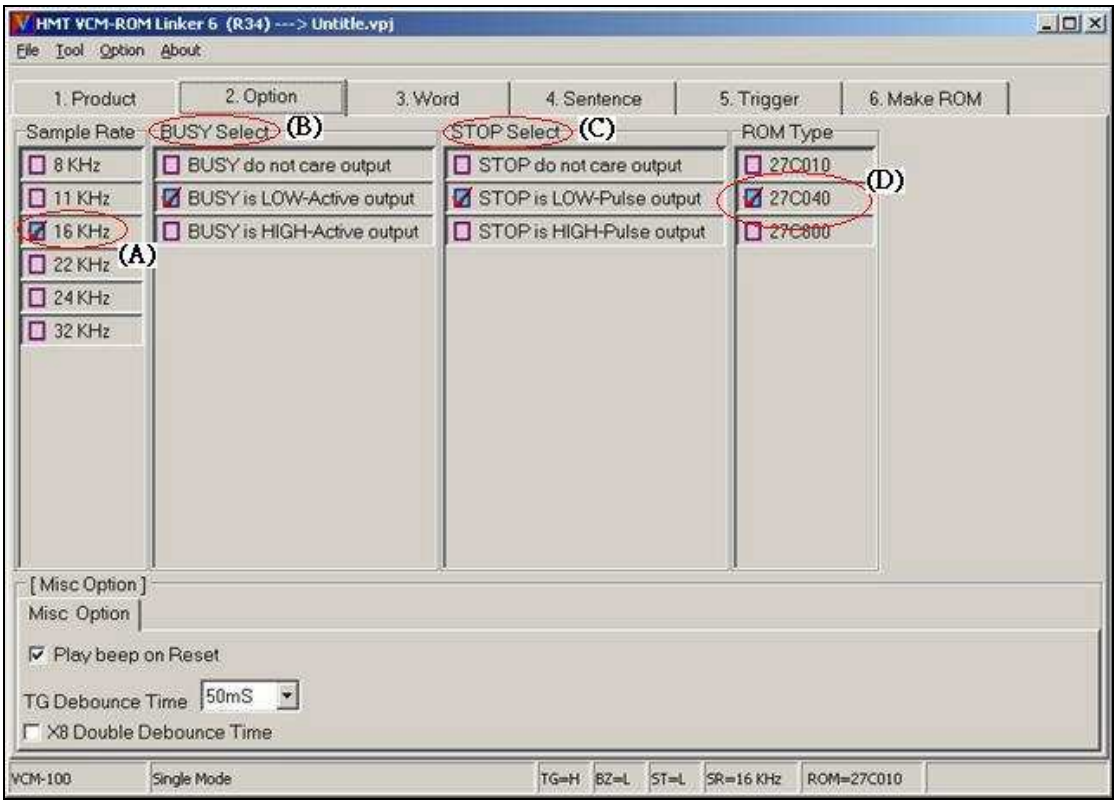


*Instruction: Select the items by left clicking.

(a) VCM-Series voice module selections: VCM-100（for example）

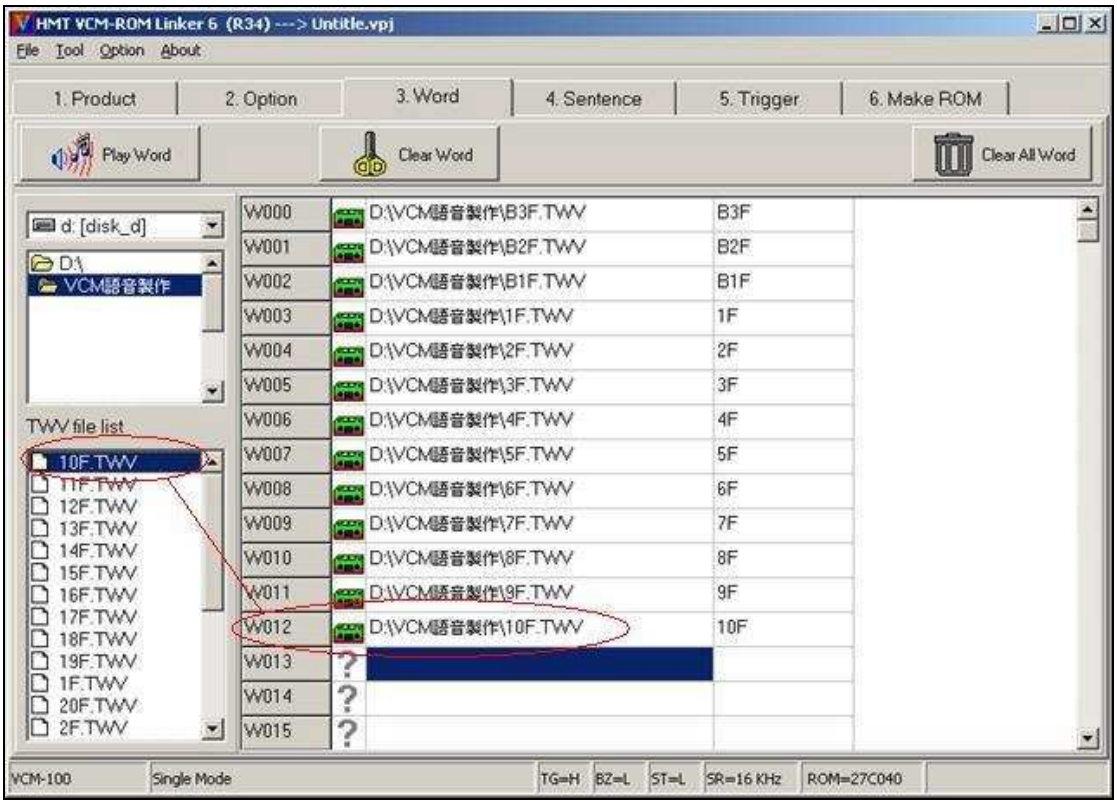
(b) Input trigger mode selections: Single Mode (one to one)

Step 2.: Set [2.Option] Menu



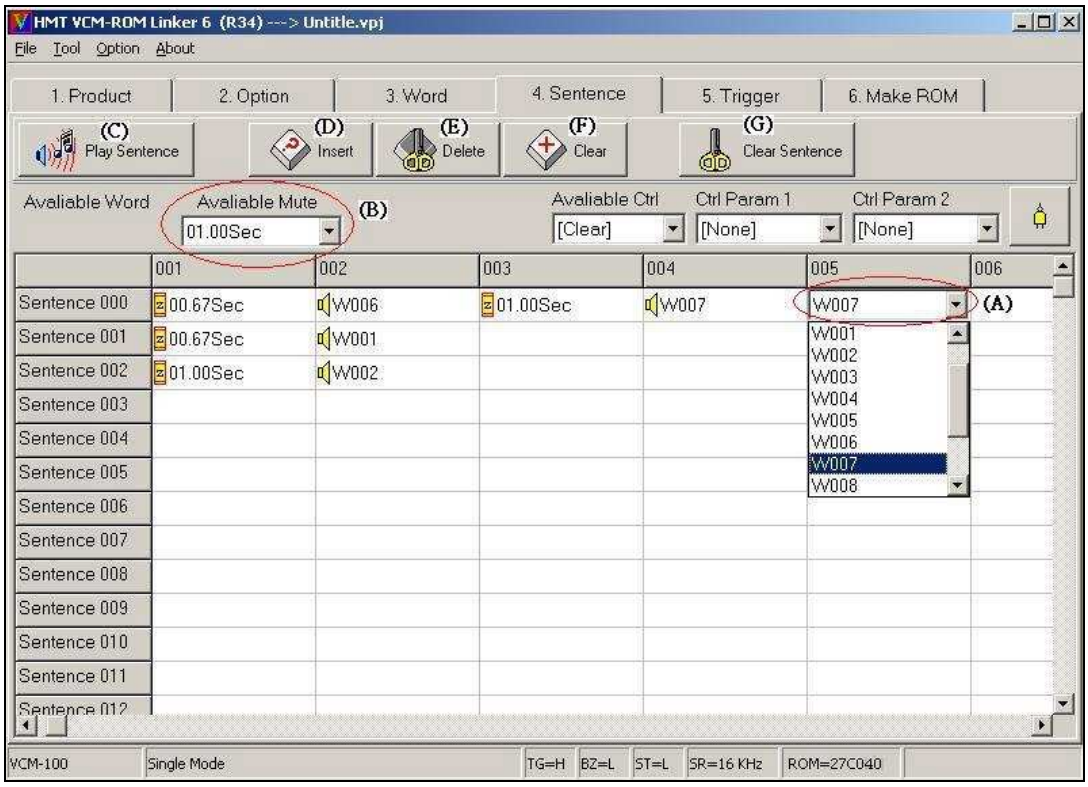
1. Select the Sampling Rate for the voice file at (A): 16KHz
2. Select the response signal status in BUSY Select at (B): BUSY is LOW-Active output.
3. Select the response signal status in STOP Select at (C): STOP is LOW-Pulse output.
4. Select the ROM type at (D): 27c040

Step 3.: Set [3.Word] Menu



1. Place the finished voice files like w00.twv…w09.twv into Word file columns.
2. Method: Left click on Word file to select and then move to the underneath left column to select the TWV file like w00.twv by double left clicking. At the this moment, The voice file will be found on the Word column.
3. Replace the voice file by double clicking on the column. The original one will be covered.
4. Click on " Play Word ": Listen to the voice file.
5. Click on " Clear Word ": Delete the selected voice file.
6. Click on " Clear all Word ": Delete all the voice files from the menu.

Step 4.: Set [4.Sentence] Menu



Descriptions: VCM Series voice module is composed of 160 Words which can consist 255 Sentences. The words and sentences can be arranged freely. Repetitions of the Words won't take up the extra memory space.

1. Place Word files in the Sentence form by some of them from the pull-down menu at (A). Double click left key on the step (column) to place the Word file in the sentence.

2. Place few seconds long mute among Words in a Sentence as request. The mute won't take up any memory space. Double click left key at (B).

3. Click on " Play Sentence ": Play the whole sentence as (C).

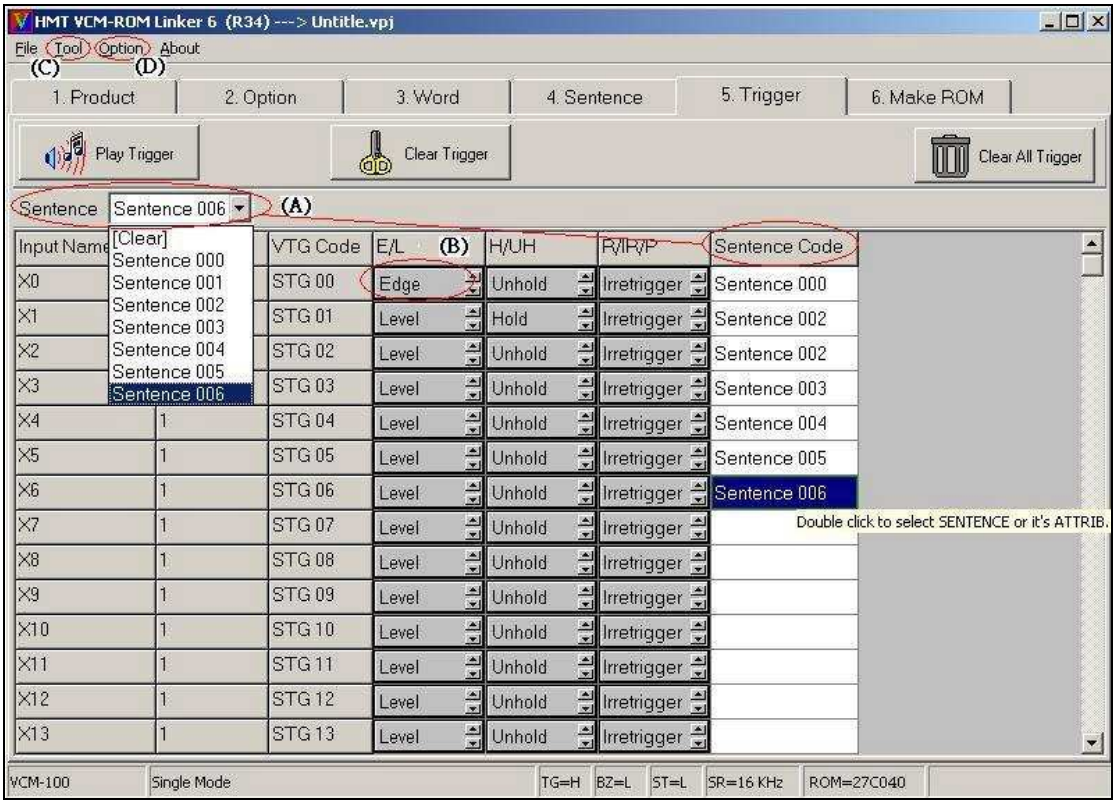
4. Click on " Insert ": Insert a Word file in a Sentence at (D). The others behind the column will move backward.

5. Click on " Delete ": Delete a Word file from the Sentence as (E). The others behind the Word file move forward after deleting.

6. Click on " Clear ": Clear the content of the Word file in the Sentence as (F).

7. Click on "Clear Sentence": Delete all the Word files in the Sentence.

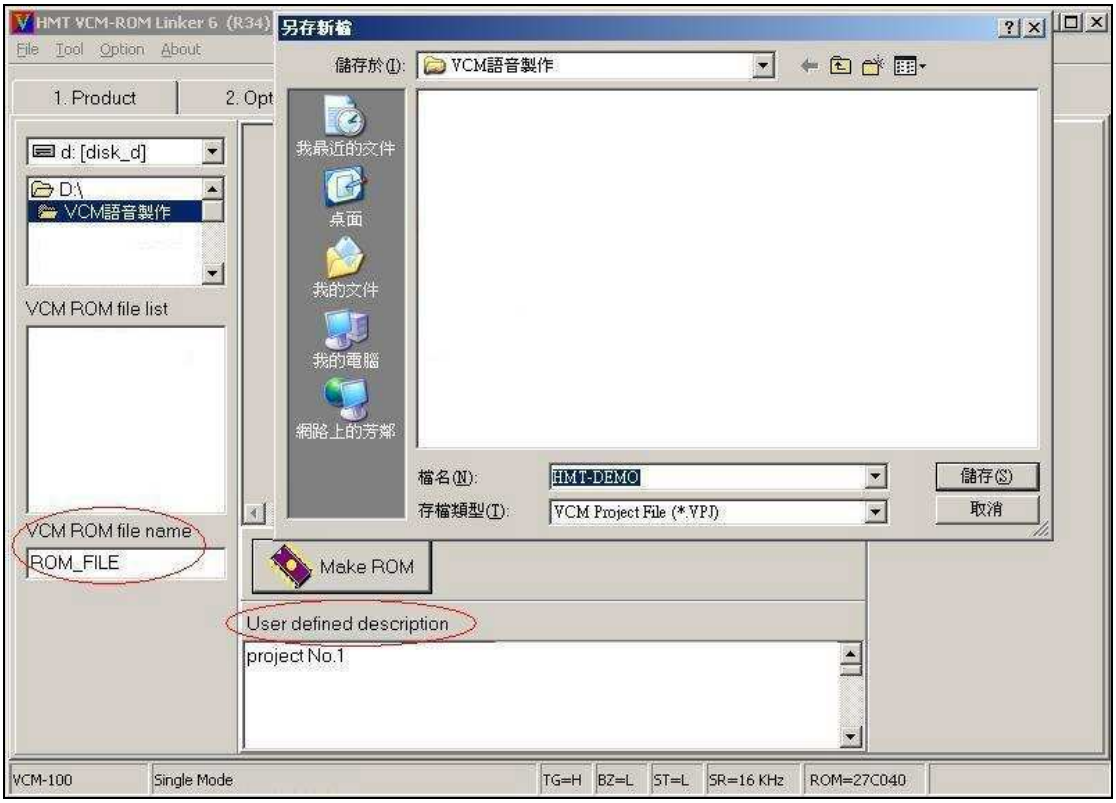
Step 5.: Set [5.Trigger] Menu



*Instructions: This menu is for trigger settings.

1. Double click left key at Sentence code step-form to place the Sentence 00X [at (A)] to the Sentence Code column.
2. To change the property of the trigger code, double click left key on the very column as (B).
3. Select Tool menu from the Function Bar at (C) to make all the trigger codes in the same attribute.
4. Select Option menu from the Function Bar at (D) to set VCM-100 in High Trigger Voltage mode. (It needs to match the jumpers.)
5. Click on “Play Trigger” to see if the correspondences are matching or not.

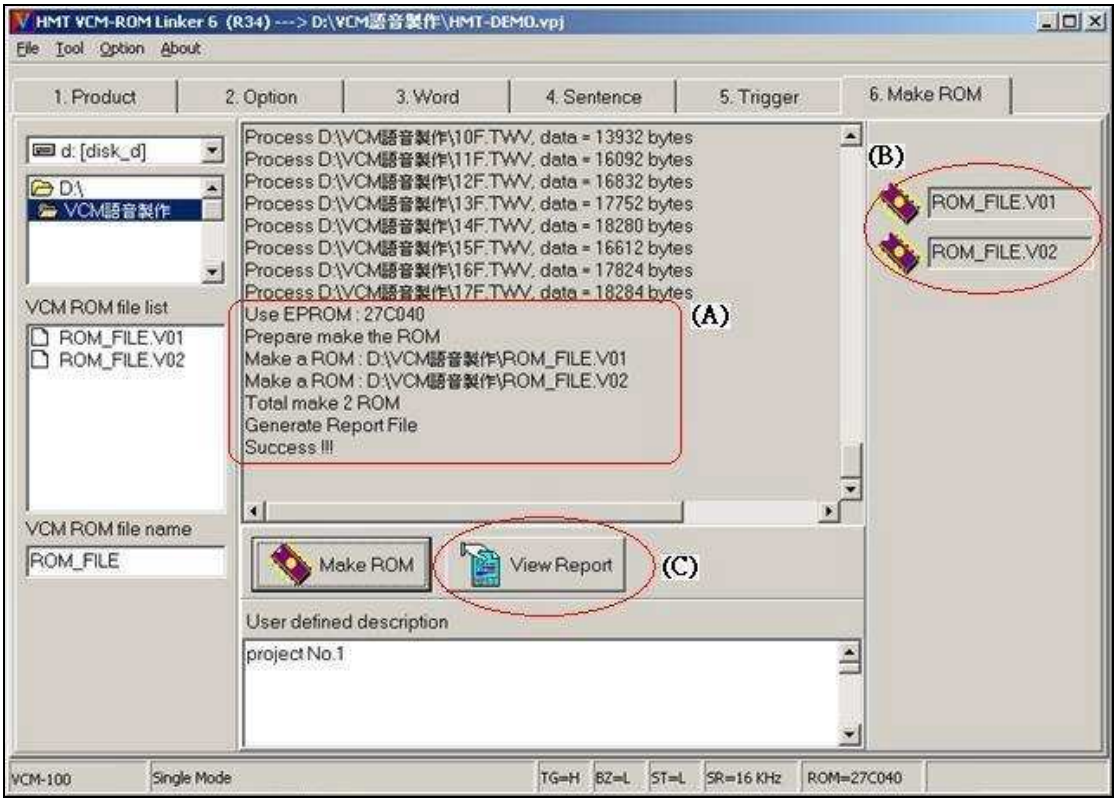
Step 6.: Set [6.Make ROM] Menu (Save files and make a ROM file)



1. First select the path and enter the file name of the ROM file. Write related information in the “User defined description” column. Then click on “Make ROM” button and the system will ask to save the file. Click on “save” button and then users will see this screen above.

2. Enter the file name to save and the system will save the connection itself, showing the users a message about the left memory space in the EPROM. (Please refer to Step 7.)

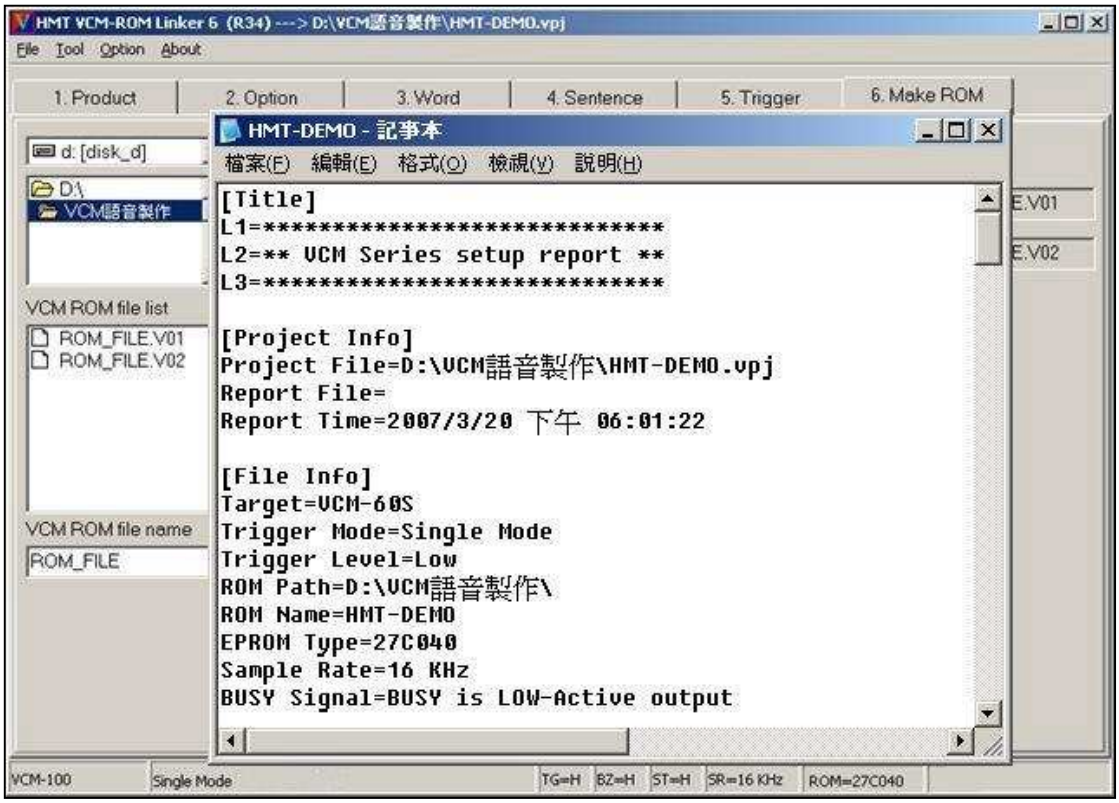
Step 7.: Save & Connection



The file is ROM_FILE.V01 (at (B)) made under the ROM program. At (A), it shows this file will be saved under the selected catalogue.

1. Use the burner to load in files and choose Binary Code.
2. Click on (C), the button View Report, to show the edit report as shown on the picture in the following page.
3. The EPROM can plug in EPROM IC socket on VCM-100 module. Pay attention to the number sequences on the IC sockets and to see if the EPROM TYPE settings are correct or not.

*Make An Edit Report:



Description:

Rom-Linker will make an edit report after the connection is done. The path and EPROM file name are the same and can also be listed in the report for file management.